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(Depositor's name)

(Signature) Brett Lovejoy

(Date) September 2, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Amin *et al.*

Confirmation Number: 2154

Serial No.: 09/839,637

Group Art Unit: 2826

Filed: April 20, 2001

Examiner: Scott R. Wilson

For: QUANTUM BIT WITH A MULTI-
TERMINAL JUNCTION AND
LOOP WITH A PHASE SHIFT

Attorney Docket No.: 706700-999111
(formerly M-8915 US)

AMENDMENT UNDER 37 C.F.R. § 1.111

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In response to the Office Action mailed on May 5, 2004 in connection with the above-captioned patent application, please enter the following amendments and consider the following remarks. Applicants submit herewith (i) a petition for extension of time extending the period for response from August 5, 2004 to and including September 5, 2004; (ii) Exhibit A, formal drawings for proposed Figs. 14 through 17; (iii) a Power of Attorney; and (iv) an Information Disclosure Statement with List of References Cited by Applicant and copies of five (5) cited references.

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 15 of this paper.

Amendments to the Drawings begin on page 29 of this paper.

Remarks begin on page 30 of this paper.

Exhibit A including a partial set of formal drawing figures is attached following page 41 of this paper.